1	WE CLAIM:		
2	1. A method for displaying a zooming operation on a display screen of a		
3	client computing platform, the method comprising the steps of:		
4	downloading a collection of data from a server for displaying map images of		
5	geographic features;		
6	using said data to display on the display screen a first image showing geographic		
7	features at a first scale with a first level of detail and then to display on the display screen		
8	a second image showing the same geographic features at a second scale with a second		
9	level of detail; and		
10	between the displaying of the first image and the displaying of the second image,		
11	displaying on the display screen an intermediate image that combines two component		
12	images showing at least some of the same geographic features,		
13	wherein the two component images in the intermediate image are at the same		
14	scale,		
15	wherein the two component images in the intermediate image are registered so		
16	that the same geographic features represented in the two component images coincide, and		
17	wherein one of the two component images in the intermediate image includes at		
18	least a portion of the first image and is formed using data from a first layer of a		
19	geographic database and the other of the two component images in the intermediate		
20	image is formed using data from a second layer of the geographic database.		
21			
22	2. The method of Claim 1 wherein at least one of the two component images		
23	in the intermediate image is displayed at a less than full color saturation.		
24			
25	3. The method of Claim 1 wherein the second image is formed using data		
26	from the second layer of the geographic database.		
27			
28	4. The method of Claim 1 wherein the one of the two component images in		
29	the intermediate image gradually fades out.		

1	5.	The method of Claim 1 wherein the other of the two component images in			
2	the intermediate image gradually fades in.				
3	•				
4	6.	The method of Claim 1 wherein at least some geographic features			
5	represented by	y the first image are displayed differently in the second image.			
6					
7	7.	The method of Claim 1 wherein the scale used for the intermediate image			
8	corresponds to the first scale.				
9		•			
0	8.	The method of Claim 1 wherein the scale used for the intermediate image			
1	corresponds to the second scale.				
12					
13	9.	The method of Claim 1 further comprising the steps of:			
14	obtain	ing geographic data from the first layer of the geographic database to			
15	display the first image; and				
16	obtaining geographic data from the second layer of the geographic database to				
17	display the intermediate image.				
18					
19	10.	The method of Claim 1 wherein at least one of the two component images			
20	in the intermediate image is displayed with transparency.				
21					
22	11.	The method of Claim 1 wherein the first image and the second image are			
23	displayed using the Scalable Vector Graphics standard.				
24					
25	12.	The method of Claim 1 wherein the first image and the second image are			
26	displayed in an Internet browser.				
27					
28	13.	The method of Claim 1 wherein the computing platform is a vehicle			
29	navigation sy	vstem.			
30					

1	14. A method of providing context while zooming a map display on a client		
2	computing platform, the method comprising:		
3	obtaining data from a first layer of a geographic database located on a server to		
4	represent geographic features at a first scale in a first image;		
5	displaying said first image on the display screen;		
6	using data from a second layer of the geographic database located on the server to		
7	represent at least some of the geographic features at a second scale in a second image,		
8	wherein the second scale is different from the first scale;		
9	displaying said second image on the display screen after displaying said first		
10	image;		
11	combining data from at least two separate layers of the geographic database to		
12	represent at least some of the geographic features in a third image, wherein the two		
13	separate layers include at least one of the first layer and the second layer;		
14	displaying said third image on the display screen after displaying said first image		
15	and before displaying the second image.		
16			
17	15. The method of Claim 14 further comprising:		
18	prior to the step of using data from the first layer of the geographic database to		
19	represent geographic features at the first scale in the first image, downloading the data		
20	used to represent the geographic features in the first image, the second image and the		
21	third image from the server.		
22			
23	16. The method of Claim 15 further comprising:		
24	downloading a routine from the server that adjusts layer transparency depending		
25	upon zoom layer.		
26			
27	17. A method of presenting a map on a display screen of a client computing		
28	platform, comprising the steps of:		
29	sending a request from the client computing platform to a server for map data;		

1	on the	client computing platform, receiving map data from the server, wherein the		
2	map data includes data from at least two separate layers, wherein each of said layers			
3	represents geo	represents geographic features at a different level of detail;		
4	using the map data from one of said layers to present on a display screen of the			
5	client computing platform a first map image that represents geographic features in a first			
6	geographic area;			
7	initiating a zooming operation on the client computing platform; and			
8	presenting an intermediate image on the display screen of the client computing			
9	platform, wherein the intermediate image includes at least a portion of the first map			
10	image and also includes a second map image of the same geographic features shown in			
11	the portion of the first map image using data from another of said layers, wherein the			
12	same geographic features shown by the first map image and the second map in the			
13	intermediate image coincide.			
14				
15	18.	The method of Claim 17 wherein the step of presenting is performed by an		
16	SVG viewer.			
17				
18	19.	The method of Claim 17 further comprising:		
19	after p	presenting the intermediate image, presenting an ending image on the		
20	display screen of the client computing platform, wherein the ending image includes at			
21	least a portion of the same geographic features shown in the first map image but at a			
22	different scale	e and wherein the ending image is formed using data from a layer other than		
23	the layer used	for forming the first map image.		
24				
25	20.	The method of Claim 17 further comprising:		
26	on the client computing platform, receiving a routine from the server along with			
27	the map data, wherein the routine is used to adjust layer transparency depending upon			
28	zoom layer.			
29				
30	21.	The method of Claim 17 wherein the first map represents geographic		
31	features located along a calculated route.			

1				
2	22.	A method of zooming a map on a computer display comprising:		
3	obtaining map	data from a server;		
4	using said ma	p data for		
5	displa	ying representations of geographic features on a display screen at a first		
6		scale with a first level of detail;		
7	displaying representations of at least some of the same geographic features on the			
8		display screen at a second scale with a second level of detail, wherein the		
9		second scale is different from the first scale and the second level of detail		
10		is different from the first level of detail; and		
11	displa	ying an intermediate image after the displaying of the representations of the		
12		geographic features at the first scale and before the displaying of at least		
13		some of the same geographic features at the second scale, wherein the		
14		intermediate image overlays representations of at least some of the		
15		geographic features at two different levels of detail, wherein the two		
16		different levels of detail include one of:		
17		the first level of detail and the second level of detail,		
18		the first level of detail and a level of detail between the first level		
19		of detail and the second level of detail, and		
20		the second level of detail and a level of detail between the first		
21		level of detail and the second level of detail.		
22				
22				